

AMENDMENT TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double brackets indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A method of estimating a signal-to-interference+noise ratio (SINR), comprising:

estimating polarities of a plurality of received data symbol samples;

converting the received plurality of data symbol samples into plurality of quasi-pilot symbol samples based on the estimated polarities by multiplying each of the plurality of received data symbol sample by an associated estimated polarity; and

generating an SINR estimate based on the plurality of quasi-pilot symbol samples using the multiplication results as the plurality of quasi-pilot symbol samples in an SINR estimation algorithm such that the SINR estimate is not dependent only on the polarities of the plurality of received data symbol samples.

2. (Cancelled)

3. (Currently Amended) A method of estimating a signal-to-interference+noise ratio (SINR), comprising:

estimating bit values of a plurality of received data symbol samples;

converting the received plurality of data symbol samples into plurality of quasi-pilot symbol samples based on the estimated polarities by multiplying each of the plurality of received data symbol sample by an associated estimated polarity; and

generating an SINR estimate based on the plurality of quasi-pilot symbol samples using the multiplication results as the plurality of quasi-pilot symbol samples in an SINR estimation algorithm such that the SINR estimate is not dependent only on a bit value of the plurality of received data symbol samples.

4. (Cancelled)

5. (Currently Amended) A method of estimating a signal-to-interference+noise ratio (SINR), comprising:

estimating polarities of a plurality of received data symbol samples;

converting the received data symbol samples into quasi-pilot symbol samples based on the estimated polarities by multiplying each of the plurality of received data symbol sample by an associated estimated polarity; and

generating an SINR estimate based on the quasi-pilot symbol samples using the multiplication results as the plurality of quasi-pilot symbol samples in an SINR estimation algorithm.

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